

PCT09

RAW SEQUENCE LISTING

3 <110> APPLICANT: Maliszewski, Charles R.

PATENT APPLICATION: US/09/807,660C

DATE: 02/19/2004 TIME: 11:19:21

Input Set : A:\23495rV3.txt

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Gayle III, Richard B.
         Marcus, Aaron J.
         Immunex Corporation
         Cornell Research Foundation, Inc.
 9 <120> TITLE OF INVENTION: Methods of Inhibiting Platelet Activation and
         Recruitment
12 <130> FILE REFERENCE: 23,495 USA
14 <140> CURRENT APPLICATION NUMBER: US 09/807,660C
15 <141> CURRENT FILING DATE: 2001-09-06
17 <150> PRIOR APPLICATION NUMBER: US 60/104,585
18 <151> PRIOR FILING DATE: 1998-10-16
20 <150> PRIOR APPLICATION NUMBER: US 60/107,466
21 <151> PRIOR FILING DATE: 1998-11-06
23 <150> PRIOR APPLICATION NUMBER: US 60/149,010
24 <151> PRIOR FILING DATE: 1999-08-13
26 <160> NUMBER OF SEQ ID NOS: 37
28 <170> SOFTWARE: PatentIn version 3.1
                                                       ENTERED
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31 <211> LENGTH: 1599
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapiens
35 <220> FEATURE:
36 <221> NAME/KEY: CDS
37 <222> LOCATION: (67)..(1596)
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43
          Met Glu Asp Thr Lys Glu Ser Asn Val Lys Thr Phe Cys Ser
46 aag aat atc cta gcc atc ctt ggc ttc tcc tct atc ata gct gtg ata
                                                                     156
47 Lys Asn Ile Leu Ala Ile Leu Gly Phe Ser Ser Ile Ile Ala Val Ile
                        20
                                            25
50 gct ttg ctt gct gtg ggg ttg acc cag aac aaa gca ttg cca gaa aac
                                                                     204
51 Ala Leu Leu Ala Val Gly Leu Thr Gln Asn Lys Ala Leu Pro Glu Asn
54 gtt aag tat ggg att gtg ctg gat gcg ggt tot tot cac aca agt tta
                                                                     252
55 Val Lys Tyr Gly Ile Val Leu Asp Ala Gly Ser Ser His Thr Ser Leu
                50
                                    55
58 tac atc tat aag tgg cca gca gaa aag gag aat gac aca ggc gtg gtg
                                                                     300
59 Tyr Ile Tyr Lys Trp Pro Ala Glu Lys Glu Asn Asp Thr Gly Val Val
            65
                                70
                                                    75
62 cat caa gta gaa gaa tgc agg gtt aaa ggt cct gga atc tca aaa ttt
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63 64	His.	Gln 80	Val	Glu	Glu	Суѕ	Arg 85	Val	Lys	Gly	Pro	Gly 90	Ile	Ser	Lys	Phe	
	att		aaa	gta	aat	gaa	ata	ggc	att	tac	cta	act	gat	tac	ato	gaa	396
				Val													
68	95	GIII	БУЗ	V 63 1	71511	100	110	CTY		- y	105	1111	1150	0,0		110	
													~~~				4.4.4
				gaa													444
	Arg	Ala	Arg	Glu		He	Pro	Arg	Ser		His	GIn	Glu	Thr		Val	
72					115					120					125		
74	tac	ctg	gga	gcc	acg	gca	ggc	atg	cgg	ttg	ctc	agg	atg	gaa	agt	gaa	492
75	Tyr	Leu	Gly	Ala	Thr	Ala	Gly	Met	Arg	Leu	Leu	Arg	Met	Glu	Ser	Glu	
76				130					135					140			
78	gag	tta	qca	gac	agg	att	ctq	gat	ata	ata	gag	agg	agc	ctc	agc	aac	540
				Āsp													
80			145	1	,	-		150				5	155		_		
	tac	CCC		gac	ttc	can	aat		aaa	atc	att	act		caa	aaa	ma a	. 588
																	. 500
	тАт		File	Asp	PHE	GIII	_	Ата	Arg	TTE	116		GTÅ	GIII	Giu	GIU	
84		160					165					170					
				ggc													636
		Ala	Tyr	Gly	Trp	Ile	Thr	Ile	Asn	Tyr	Leu	Leu	Gly	Lys	Phe	Ser	
	175					180					185					190	
				agg													684
91	Gln	Lys	Thr	Arg	Trp	Phe	Ser	Ile	Val	Pro	Tyr	Glu	Thr	Asn	Asn	Glņ	•
92					195					200					205		
94	gaa	acc	ttt	gga	gct	tta	gac	ctt	aaa	ασa	acc	tct	aca	caa	atc	act	732
95	Ğlu	Thr	Phe	Ğĺy	Ála	Leu	Asp	Leu	Glv	Ğĺv	Āla	Ser	Thr	Gln	Va 1	Thr	
96				210			6		215	]		001		220			
-	+++	crt a	ccc	caa	220	Cad	act	atc		+ 00	003	~a+	22t		c+ c	022	780
aa	Dho	Val	Dro	Gln	7.00	Cla	mbr.	Tlo	Clu	505	Dra	yac Nan	700	71.	Tan	Cla	700
100		vaı	225		ASII	GTII	1111			ser	FLO	Asp			rea	GIII	
								230					235				200
104	ב בננ	: ege	CTO	c tat	ggc	aaç	g gac	: tac	aat	gto	c tac	c ac	a cat	: ago	tto	ttg	828
				ı Tyr	. GT?	Lys			Asn	va.	L Ty:			s Sei	: Phe	e Leu	
104		240					245					25					
																att	876
107	7 Cys	з Туз	c Gly	y Lys	: Asp	Glr	ı Ala	ı Leu	ı Trp	Gli	ı Lya	s Le	ı Ala	ı Lys	s Asp	lle	
108	3 255	5				260	)		•		265	5				270	
110	) caç	gtt	gca	a agt	aat	ga a	att	cto	ago	gad	cca	a tg	c ttt	cat	: cct	gga	924
																Gly	
112					-275				-	280		-			285	_	
114	l tat	aad	ı aad	a ata	atio	ı aac	. atá	agt	gac	cti	tad		T acc			acc	972
770	5 Tvr	- T.v.s	3 T.V	s Val	Val	Δer	Val	Ser	· Aer	. Tei	1 177571	r Tu	e The	Dro	Cu	Thr	312
116		. <b></b> y.	. بر ت	290		2101	· vai	. 501	295		1 1 y 1	L Ly	2 1111			2 1117	
												4-4		300			1000
110	aay	aya	1 LLI	- gag	alc	act	. CLL	. cca	י ננכ	caç	g Cag	יום ק	c gaa	ato	cag	ggt	1020
		Arc			Met	Thr	Leu			: GII	J GTI	n Ph			e Gir	n Gly	
120			305					310					315				
122	2 att	gga	a aac	c tat	caa	caa	ı tgo	: cat	caa	ago	c ato	c ct	g gaq	, cto	: ttc	aac	1068
				ı Tyr	Glr	Glr	Cys	His	Gln	Sei	: Ile	e Le	ı Glu	ı Let	ı Phe	e Asn	
124		320					325					33				•	
126	acc	agt	tac	c tgc	cct	tac	tcc	cag	tgt	gco	t tt	c aar	t ggg	, att	tto	ttg	1116
127	Thr	Sei	туз	c Cys	Pro	Tyr	Ser	Gln	Cys	Ala	a Phe	Ası	n Gly	, Ile	e Phe	e Leu	
			_	-		-			-				_				

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Input Set : A:\23495rV3.txt

128	335					340					345					350	
130	cca	cca	ctc	cag	ggg	gat	ttt	ggg	gca	ttt	tca	gct.	ttt	tac	ttt	gtg	1164
								Gly									
132					355	_		-		360					365		
134	ato	aaσ	ttt	tta	aac	tta	aca	tca	gag	aaa	atc	tct	caq	gaa	aaσ	ata	1212
								Ser									
136		-1-		370					375	*				380			
	act	gag	atσ	-	aaa	aaσ	ttc	tgt		caq	cat	taa	gag		ata	aaa	1260
								Cys									
140	****	014	385	1,00	23,0	ح ريب		390		<b></b>		**P	395			2,0	
	aca	tat		act	aaa	ata	220	gag	aad	tac	cta	ant		tac	Énc	+++	1308
								Glu									. 1300
144	1111	400	+ y -	77.0	Ory	V C1 1	405	OIU	БУЗ	<b>- y</b> -	шси	410	Olu	ı yı	Cys	1110	
	+ c+		300	+ 20	5 + +	c+c		at a	at t	c+ a			+ -+	cat	++~	202	1356
								ctc									1330
	415	GLY	TIIT	TAT	776	420	Ser	Leu	μeα	пеп	425	GTA	тут	птэ	FILE	430	
		~-+	+	+	~~~				++-	_++					~~~		3 4 0 4
								cat									1404
	Ата	Asp	Ser	тър		HIS	TTE	His	Pne		GTĀ	тАг	тте	GIII	_	Ser	
152					435			4		440		_+			445		3.450
								tac									1452
	Asp	ALA	GTA	_	Thr	Leu	GTĀ	Tyr		Leu	Asn	теп	inr		Met	TTE	
156				450					455		_			460			
								aca									1500
	Pro	Ala		GIn	Pro	Leu	Ser	Thr	Pro	Leu	Ser	His		Thr	Tyr	Val	
160			465					470					475				
								ctg									1548
	Phe		Met	Val	Leu	Phe		Leu	Val	Leu	Phe	Thr	Val	Ala	Ile	Ile	
164		480					485					490					
								cct									1596
		Leu	Leu	Ile	Phe	His	Lys	Pro	Ser	Tyr		Trp	Lys	Asp	Met	Val	
	495					500					505					510	
	tag																1599
				ON C													
				H: 51	10			•	-								
	<212																
						sag	piens	5									
				NCE:	2 Lys Glu Ser Asn Val Lys Thr Phe Cys Ser Lys												
	Met	Glu	Asp	$\mathtt{Thr}$	Lys	Glu	Ser	Asn	Val	Lys	Thr	Phe	Cys	Ser	Lys	Asn	
180	1				5					10					15		
182	Ile	Leu	Ala	Ile	Leu	Gly	Phe	Ser	Ser	Ile	Ile	Ala	Val	Ile	Ala	Leu	
183				20					25					30			
185	Leu	Ala	Val	Gly	Leu	Thr	Gln	Asn	Lys	Ala	Leu	Pro	Glu	Asn	Val	Lys	
186			35	_		•		40	_				45			-	
188	Tyr	Gly	Ile	Val	Leu	Asp	Ala	Gly	Ser	Ser	His	Thr	Ser	Leu	Tvr	Ile	
189	-	50				•	55	•				60			- 1 -		
	Tyr		Trp	Pro	Ala	Glu		Glu	Asn	Asp	Thr		Val	Val	His	Gln	
192	65	-	•			70					75	- 3				80	
	Val	Glu	Glu	Cys	Arq	Val	Lys	Gly	Pro	Glv		Ser	Lvs	Phe	Val		
195				4	85	_	4 -	4		90					95		
																	•



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Input Set : A:\23495rV3.txt
Output Set: N:\CRF4\02182004\I807660C.raw

197 198	Lys	Val	Asn	Glu 100	Ile	Gly	Ile	Tyr	Leu 105	Thr	Asp	Cys	Met	Glu 110	Arg	Ala
200	Arg	Glu	Val 115	Ile	Pro	Arg	Ser	Gln 120	His	Gln	Glu	Thr	Pro 125	Val	Tyr	Leu
204	_	130					135					140			Glu	
207	145	_	_			150					155				Tyr	160
210					165					170					Gly 175	
213				180					185					190	Gl'n	
216			195					200					205		Glu	
219		210					215	*				220			Phe	
222	225					230					235				Phe	240
225					245				•	250					Cys 255	
228				260					265					270	Gln Tyr	
231			275					280					285		Lys	
234		290					295					300			Ile	
237	305					310					315				Thr	320
240		٠.			325					330					335 Pro	
243		_		340					345					350	Meţ	
246			355	-		_		360					365		Thr	
249		370					375					380			Thr	
252	385		_	_		390					395				Ser	400
255 257		Tyr	Ile	Leu	405 Ser		Leu	Leu	Gln	410 Gly		His	Phe	Thr	415 Ala	Asp
258 260		Trp	Glu	420 His		His	Phe	Ile	425 Gly		Ile	Gln	Gly	430 Ser		Ala
261 263		Trp	435 Thr		Gly	Tyr	Met	440 Leu		Leu	Thr	Asn	445 Met		Pro	Ala
264		450					455					460				Leu
267	465					470					475					480 Leu



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Input Set : A:\23495rV3.txt

27	'n					485					490			•		495		
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				NGTH											•			
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						Arti	fici	al S	Seque	ence								
				CATUE		113. 03												
						RMAT	TON:	Des	scrip	otion	of	Art:	ific	ial S	Seaue	ence:	Fusi	on
28		7222		nstr														
		<400		EQUE														
							Glv	Thr	Val	Phe	Phe	Met	Leu	Val	Val	Ser	Cvs	
28		1				5	1				10					15	- 4	
			Cvs	Ser	Ala	Val	Ser	His	Ara	Asn		Gln	Thr	grT	Phe	Glu	Glv	
29			0,0		20				5	25					30		4	
		Tle	Phe	Leu		Ser	Thr	Gln	Asn		Ala	Leu	Pro	Glu	Asn	Val	Lvs	
	93			35	•••	<b>0</b> 02	1		40	-,-			7	4.5			- <i>1</i> -	
		Tvr	Glv		Val	Leu	Asp	Ala		Ser	Ser	His	Thr	Ser	Leu	Tvr	Ile	
	96	-1-	50					55	V-3				60			- 2 -		
		Tvr		Tro	Pro	Ala	Glu		Glu	Asn	Asp	Thr		Val	Val	His	Gln	
	99	65					70	-1-				75	1				80	
			Glu	Glu	Cvs	Ara		Lvs	Glv	Pro	Glv	-	Ser	Lvs	Phe	Val	Gln	
	02				- 1 -	85		2	2		90					95		
		Lvs	Val	Asn	Glu		Glv	Ile	Tvr	Leu	Thr	asp	Cvs	Met	Glu	Ara	Ala	
	)5	1			100		1			105			- 4 -		110			
		Ara	Glu	Val	Ile	Pro	Ara	Ser	Gln	His	Gln	Glu	Thr	Pro	Val	Tvr	Leu	
	38	9		115					120					125		- 3 -		
		Glv	Ala	Thr	Ala	Glv	Met	Ara		Leu	Ara	Met	Glu	Ser	Glu	Glu	Leu	
	11	1	130			1		135			5		140					
		Ala		Ard	Val	Leu	Asp	Val	Val	G1u	Ara	Ser	Leu	Ser	Asn	Tyr	Pro	
		145		,			150					155				-	160	
			Asp	Phe	Gln	Glv	Ala	Ara	Ile	Ile	Thr	Glv	Gln	Glu	Glu	Gly	Ala	
	17		•			165		_			170	•				175		
3:	19	Tyr	Gly.	Trp	Ile	Thr	Ile	Asn	Tyr	Leu	Leu	Gly	Lys	Phe	Ser	Gln	Lys	
	20	-		•	180				-	185		_	-		190		-	
32	22	Thr	Arg	Trp	Phe	Ser	Ile	Val	Pro	Tyr	Glu	Thr	Asn	Asn	Gln	Glu	Thr	
	23		-	195					200	-				205		:		
32	25	Phe	Gly	Ala	Leu	Asp	Leu	Gly	Gly	Ala	Ser	Thr	Gln	Val	Thr	Phe	Val	
	26		210			_		215	_				220			:		
32	28	Pro	Gln	Asn	Gln	Thr	Ile	Glu	Ser	Pro	Asp	Asn	Ala	Leu	Gln	Phe	Arg	
		225					230				-	235				:	240	
33	31	Leu	Tyr	Gly	Lys	Asp	Tyr	Asn	Val	Tyr	Thr	His	Ser	Phe	Leu	Cys	Tyr	
	32		-		-	245	•			-	250					255	-	
33	34	Gly	Lys	Asp	Gln	Ala	Leu	Trp	Gln	Lys			Lys	Asp	Ile	Gln	Val	
	35	-	-	•	260			•		265			-	-	270	:		
		Ala	Ser	Asn		Ile	Leu	Arq	Asp	Pro	Cys	Phe	His	Pro	Gly	Tyr	Lys	
	38			275				_	280		-			285	_	_		
		Lys	Val	Val	Asn	Val	Ser	Asp	Leu	Tyr	Lys	Thr	Pro	Cys	Thr	Lys	Arg	
	41	-	290	•				295		-	-		300			- i	-	
																:		



RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/807,660C

DATE: 02/19/2004 TIME: 11:19:22

Input Set : A:\23495rV3.txt

Output Set: N:\CRF4\02182004\1807660C.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 39

## Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:32,33,34,35,36,37





VERIFICATION SUMMARY

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L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32